

Linear Functions Menu Task:

Build as *few* linear functions as possible to satisfy each constraint at least once.

Record your functions in this form: $y = ax + b$

A.	Has a positive slope	B.	Has a positive y-intercept
C.	Has a negative x-intercept	D.	Never enters the first quadrant
E.	Goes through the point (2, -3)	F.	Has a negative vertical intercept
G.	Has a negative slope	H.	Goes through the point (4, 0)
I.	Never enters the third quadrant	J.	Has a slope less than 1

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3, or 4 linear functions ?

Describe how and why you built each linear function.

Be sure to identify which linear functions satisfy which constraints.

